Yacovone, Krista

From: Gorin, Jonathan
Sent: Monday, June 17, 2013 5:15 PM
To: DiPippo, Gary
Cc: John M. Hoffman; Carrie McGowan
Subject: RE:
Attachments: Cost Table.docx

All, while we're discussing things. To make it a bit simpler for the NRRB and Proposed Plan, I averaged the costs (rather than giving a range) for 4a, 4b, 5a and 5b (see attached). I will explain the actual ranges at the meeting, and in the text of the Proposed Plan. The cost table from the FS will be included in the ROD for the selected remedy.

Is that ok with all of you?

From: DiPippo, Gary [mailto:Gary.DiPippo@Cornerstoneeg.com]
Sent: Monday, June 17, 2013 4:17 PM
To: Gorin, Jonathan
Cc: John M. Hoffman; Carrie McGowan; smacmillin@brwncald.com
Subject: RE:

Jon,

We have been in touch with MRS off and on throughout the FS. Don't know if DEP knows this is a mobile system so the work is done on site. This is not a fixed facility that they run at some location. So, this brings up the issue again of public opposition to thermal treatment and the air permitting process. Further the process has a crushing and screening preparation step, and the information about mercury emissions clearly shows that handling increases emissions. The system has been used in Europe. We asked about whether MRS thought this could be permitted in NJ, and never got a good answer. Then there is the question of what happens with the mercury afterwards, as there is no market, it cannot be exported, etc. Last, the default soil density we use is 1.5 tons per CY. It's typically not less than this. A recent project we did the density on average was 1.7 tons per cy. Using the 1.5 gets to 9 years instead of six, and this assumes continuous, problem free operation.

We will be sending you information for the NRRB meeting per your recent e-mail, and will elaborate further.

Thanks, Gary

From: Gorin, Jonathan [mailto:Gorin.Jonathan@epa.gov]
Sent: Monday, June 17, 2013 2:30 PM
To: DiPippo, Gary; smacmillin@brwncald.com
Cc: John M. Hoffman; Carrie McGowan
Subject:

John, Carrie, Gary and Scott.

As a reminder, next Wed is the NRRB meeting. If all goes well, you can expect my final comments on the RI & FS to follow. If not, we may need substantial changes to the FS (the RI should be ok, but who knows?). Unless we all missed something completely - I don't foresee this holding up the ROD.

I'm putting together lists of questions I feel will come up. No doubt an easy one will be "why didn't you further characterize the extent of contamination under the buildings?" I thought a simple response to that would be a photo of the cell buildings, showing their current state of decay.

So if you have a good photo like that, please send it along.

Also, Gary DEP has just told me they are going to suggest – to the NRRB - that this facility http://mercury-recovery.com/ is the answer to our PTW issues. I looked at it quickly, it's a retort facility of some sort. They can do "high volume" treatment which they define as "up to 2 tons per hour." So, I figure 1 ton = 1 cubic yard. We'd need to treat up to 24,000 cubic yards. So if I did my arithmetic correctly that will take 12,000 hours or 1,500 8 hr days. Or about 6 years.

Anyway, have you contacted them? Have you ever heard of them? I left a message. if/when they call back I'll try to get some info on the volume they can handle…

Thanks, jon

Alternative 2 – Treatment Cap

Total Capital Cost	$ 19.9 million
Operation and Maintenance	$ 1.3 million
Total Present Net Worth	$ 21.2 million
Timeframe	>30 Years

Alternative 3 –Treatment Cap Barrier Wall

Total Capital Cost	$ 23.8 million
Operation and Maintenance	$ 1.3 million
Total Present Net Worth	$ 25.1 million
Timeframe	>30 Years

Alternative 4a – Treatment Cap/Barrier Partial Depth Stabilization

Total Capital Cost	$ 33.0 million
Operation and Maintenance	$ 1.3 million
Total Present Net Worth	$ 34.3 million
Timeframe	>30 Years

Alternative 4b - Treatment Cap/Barrier Full Depth Stabilization

Total Capital Cost	$ 35.2 million
Operation and Maintenance	$ 1.3 million
Total Present Net Worth	$ 36.5 million
Timeframe	>30 Years

Alternative 5a - Treatment Cap/Barrier Partial Depth Excavation Off-Site Disposal

Total Capital Cost	$ 84.3 million
Operation and Maintenance	$ 1.3 million
Total Present Net Worth	$ 85.6 million
Timeframe	>30 Years

Alternative 5b - Treatment Cap/Barrier Partial Depth Excavation Off-Site Disposal

Total Capital Cost	$ 96.1 million
Operation and Maintenance	$ 1.3 million
Total Present Net Worth	$ 97.4 million
Timeframe	>30 Years